WATER, AIR, AND SOIL POLLUTION / *Volume 180 Nos. 1–4 March 2007*

Editorial

J. T. TREVORS / Environmental education 1

Research Papers

S. C. PRYOR, A. M. SPAULDING and H. RAUWOLF / Evolution of the Concentration of Inorganic Ions during the Initial Stages of Precipitation Events 3–10

L. Y. LI, M. CHEN, J. R. GRACE, K. TAZAKI, K. SHIRAKI, R. ASADA and H. WATANABE / Remediation of Acid Rock Drainage by Regenerable Natural Clinoptilolite 11–27

R. P. BENNICELLI, Z. STĘPNIEWSKA, K. BANACH, A. M. BANACH and A. SZAFRANEK / Comparison of Aeration Status Measurements by Clark Sensor (DO) and ODR-Meter during *Azolla caroliniana* Willd. Growth in the Presence of Cd(II) and Hg(II) 29–37

MOTOYUKI TAKAHASHI and KIYOSHI KAWAMURA / Simple Measurement of 4,4'-bis(2-sulfostyryl)-biphenyl in River Water by Fluorescence Analysis and Its Application as an Indicator of Domestic Wastewater Contamination 39–49

S. PALLARÉS, A. B. VICENTE, M. M. JORDÁN and T. SANFELIU / Study of the Levels of Concentration of As, Cd and Ni in a Ceramic Cluster 51–64

YI SU, B. B. MARUTHI SRIDHAR, F. X. HAN, S. V. DIEHL and D. L. MONTS / Effect of Bioaccumulation of Cs and Sr Natural Isotopes on Foliar Structure and Plant Spectral Reflectance of Indian Mustard (*Brassica Juncea*) 65–74

MARIELA CZERNICZYNIEC, SILVIA FARÍAS, JORGE MAGALLANES and DANIEL CICERONE / Arsenic(V) Adsorption onto Biogenic Hydroxyapatite: Solution Composition Effects 75–82

ABDEL BOUGHRIET, NICOLAS PROIX, GABRIEL BILLON, PHILIPPE RECOURT and BAGHDAD OUDDANE / Environmental Impacts of Heavy Metal Discharges from a Smelter in Deûle-canal Sediments (Northern France): Concentration Levels and Chemical Fractionation 83–95

ANTONIO AVILÉS and F. XAVIER NIELL / The Control of a Small Dam in Nutrient Inputs to a Hypertrophic Estuary in a Mediterranean Climate 97–108

Full Research Papers

J. AGUILAR, C. DORRONSORO, E. FERNÁNDEZ, J. FERNÁNDEZ, I. GARCÍA, F. MARTÍN, M. SIERRA and M. SIMÓN / Remediation of As-Contaminated Soils in the Guadiamar River Basin (SW, Spain) 109–118

BERND SPÄNHOFF, ROLAND BISCHOF, ANNE BÖHME, STEFAN LORENZ, KATHARINA NEUMEISTER, ANTJE NÖTHLICH and KIRSTEN KÜSEL / Assessing the Impact of Effluents from a Modern Wastewater Treatment Plant on Breakdown of Coarse Particulate Organic Matter and Benthic Macroinvertebrates in a Lowland River 119–129

Q. T. WU, Z. B. WEI and Y. OUYANG / Phytoextraction of Metal-Contaminated Soil by *Sedum alfredii* H: Effects of Chelator and Co-planting 131–139

CHANDRA J. MCGEE, IVAN J. FERNANDEZ, STEPHEN A. NORTON and CONSTANCE S. STUBBS / Cd, Ni, Pb and Zn Concentrations in Forest Vegetation and Soils in Maine 141–153

ANTTI-JUSSI LINDROOS, JOHN DEROME, HANNU RAITIO and PASI RAUTIO / Heavy Metal Concentrations in Soil Solution, Soil and Needles in a Norway Spruce Stand on an Acid Sulphate Forest Soil 155–170

F. K. DUAN, X. D. LIU, K. B. HE, Y. W. LI and S. P. DONG / Characteristics and Source Identification of Particulate Matter in Wintertime in Beijing 171–183

YEVGENY DERIMIAN, ARNON KARNIELI, LEVANA KORDOVA and ABRAHAM ZANGVIL / Tracking Regional Anthropogenic Air Pollution: A Case Study in Israel 185–198

ANUPA NAIR, ASHA A. JUWARKAR and SANJEEV K. SINGH / Production and Characterization of Siderophores and its Application in Arsenic Removal from Contaminated Soil 199–212

ALKA R. UPADHYAY and B. D. TRIPATHI / Principle and Process of Biofiltration of Cd, Cr, Co, Ni & Pb from Tropical Opencast Coalmine Effluent 213–223

SUSHERA BUNLUESIN, PRAYAD POKETHITIYOOK, GUY R. LANZA, JULIAN F. TYSON, MALEEYA KRUATRACHUE, BAOSHAN XING and SUCHART UPATHAM / Influences of Cadmium and Zinc Interaction and Humic Acid on Metal Accumulation in *Ceratophyllum Demersum* 225–235

PATRYK OLESZCZUK, STANISŁAW BARAN and EWA BARANOWSKA / Influence of Long-Term Soils Flooding by Distilled and Post-Sewage Water on Polycyclic Aromatic Hydrocarbons (PAHs) Changes 237–248

SHEYLA R. M. COUCEIRO, NEUSA HAMADA, RUTH L. M. FERREIRA, BRUCE R. FORSBERG and JÉFERSON O. DA SILVA / Domestic Sewage and Oil Spills in Streams: Effects on Edaphic Invertebrates in Flooded Forest, Manaus, Amazonas, Brazil 249–259

GÜNTER GUNKEL, JAN KOSMOL, MARIA SOBRAL, HENDRYK ROHN, SUZANA MONTENEGRO and JOANA AURELIANO / Sugar Cane Industry as a Source of Water Pollution – Case Study on the Situation in Ipojuca River, Pernambuco, Brazil 261–269

J. AGUILAR, C. DORRONSORO, E. FERNÁNDEZ, J. FERNÁNDEZ, I. GARCÍA, F. MARTÍN, M. SIERRA and M. SIMÓN / Arsenic Contamination in Soils Affected by a Pyrite-mine Spill (Aznalcóllar, SW Spain) 271–281

JAMES A. ENTRY and R. E. SOJKA / Matrix Based Fertilizers Reduce Nitrogen and Phosphorus Leaching in Greenhouse Column Studies 283–292

Erratum

BRIAN L. BENHAM, MEGAN K. LAIRD, BLAKE B. ROSS, DAVID H. VAUGHAN and DANNY R. PEEK / Surface Water Quality Impacts of Conservation Tillage Practices on Burley Tobacco Production Systems in Southwest Virginia 293

M. I. KHALIL, U. SCHMIDHALTER and R. GUTSER / N_2O, NH_3 and NO_x Emissions as a Function of Urea Granule Size and Soil Type under Aerobic Conditions 295–297

Available online
www.springerlink.com